

**PROPOSED DRAFT of Amendments to Claim 1**

With Markings: (version without markings provided below, for convenience)

1 Claim 1 (currently amended): In a computing environment having a plurality of secure network  
2 connections ~~connection to a network~~, a computer program product for securely propagating  
3 security credentials using a trusted master registry, the computer program product embodied on  
4 one or more computer-readable media and comprising:

5 ~~computer-readable program code means for establishing a secure connection between a~~  
6 ~~client and a password synchronization agent (PSA);~~

7 computer-readable program code means for receiving, ~~at the PSA~~ by a password  
8 synchronization agent ("PSA") from a user at a [[the]] client device over [[the]] a first mutually-  
9 authenticated secure connection between the client device and the PSA, a password propagation  
10 request providing an identifier of [[a]] the user and an identifying secret of the user during  
11 propagation-request processing;

12 computer-readable program code means for ~~validating the user with the forwarding, by~~  
13 the PSA to a trusted master registry over a second mutually-authenticated secure connection  
14 therebetween, [[using]] the received user identifier and identifying secret, on request of the PSA  
15 wherein the trusted master registry stores identifying secrets for user identifiers only as secured  
16 non-recoverable versions thereof;

17 computer-readable program code means for receiving, by the PSA from the trusted master  
18 registry over the second mutually-authenticated secure connection, a validation result created by  
19 the trusted master registry responsive to the forwarding, the validation result being a successful  
20 result if it indicates that the trusted master registry had previously stored, for the user identifier, a

1 secured version of the identifying secret; and

2 computer-readable program code means for propagating, if the validation result is the  
3 successful result, the received user identifier and identifying secret of the user directly from the  
4 PSA to one or more target registries if the validation succeeds over third mutually-authenticated  
5 connections, each of the third connections being between the PSA and a distinct one of the target  
6 registries, such that each target registry can store, for the user identifier, a secured version of the  
7 identifying secret, wherein the secured version at the target registries is not required to be  
8 identical to the secured version stored by the trusted master registry.

Without Markings:

1 Claim 1 (as amended): In a computing environment having a plurality of secure network  
2 connections, a computer program product for securely propagating security credentials using a  
3 trusted master registry, the computer program product embodied on one or more computer-  
4 readable media and comprising:

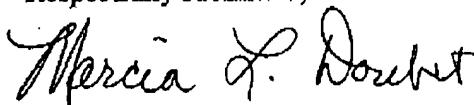
5 computer-readable program code means for receiving, by a password synchronization  
6 agent ("PSA") from a user at a client device over a first mutually-authenticated secure connection  
7 between the client device and the PSA, a password propagation request providing an identifier of  
8 the user and an identifying secret of the user;

9 computer-readable program code means for forwarding, by the PSA to a trusted master  
10 registry over a second mutually-authenticated secure connection therebetween, the received user  
11 identifier and identifying secret, wherein the trusted master registry stores identifying secrets for  
12 user identifiers only as secured, non-recoverable versions thereof;

1 computer-readable program code means for receiving, by the PSA from the trusted master  
2 registry over the second mutually-authenticated secure connection, a validation result created by  
3 the trusted master registry responsive to the forwarding, the validation result being a successful  
4 result if it indicates that the trusted master registry had previously stored, for the user identifier, a  
5 secured version of the identifying secret; and

6 computer-readable program code means for propagating, if the validation result is the  
7 successful result, the received user identifier and identifying secret from the PSA to one or more  
8 target registries over third mutually-authenticated connections, each of the third connections  
9 being between the PSA and a distinct one of the target registries, such that each target registry  
10 can store, for the user identifier, a secured version of the identifying secret, wherein the secured  
11 version at the target registries is not required to be identical to the secured version stored by the  
12 trusted master registry.

Respectfully submitted,



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